

19991220.qrp v01_n675.qrl.991220

Date: Mon, 20 Dec 1999 19:03:13 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1675

QRP-L Digest 1675

Topics covered in this issue include:

- 1) [58421] Results of "Which rig is Best" Question
by hamjoel@juno.com
- 2) [58422] 40M or Bust
by Brian <brian@iquest.net>
- 3) [58423] Mile per Watt???
by Wayne Alexander <walexan@ipa.net>
- 4) [58424] Re: SLINKY NITE
by Francis Flynn <fflynn@together.net>
- 5) [58425] Re: qrp-l Numbers
by REDSBOY@aol.com
- 6) [58426] Re: Mile per Watt???
by radioham@erols.com
- 7) [58427] HB: cw mod for Radio Shack HTX-10
by n5ib@juno.com
- 8) [58428] Re: Counterpoise question
by "Dan W. Dooley" <dandooley@pipeline.com>
- 9) [58429] Re: Practical RF Design Manual by Doug DeMaw
by Sam Billingsley <SBillingsley@usaninc.com>
- 10) [58430] Re: Neat light source for QRP operations
by "Mary & William Barnes" <mbarnes@islandnet.com>
- 11) [58431] mobile ant question
by hamjoel@juno.com
- 12) [58432] Re: [NoGaQRP] Re: Practical RF Design Manual by Doug DeMaw
by Michael C Boatright <ko4wx@mindspring.com>
- 13) [58433] Acoustic Coupling of HT to External Antenna
by k5xu@concentric.net
- 14) [58434] EUREKA
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 15) [58435] Re: mobile ant question
by "George T. Baker" <w5yr@worldnet.att.net>
- 16) [58436] West Coast K2 Net
by "K7FD-N7SG" <cqdx@teleport.com>
- 17) [58437] Re: Neat light source for QRP operations
by Bruce Grubbs N7CEE <n7cee@arrl.net>
- 18) [58438] Need a computer
by RangerSF5@aol.com
- 19) [58439] Re: Receivers: CW Filters, More Comments from the Doctor

- by Thomas Kuehl <ac7a@gci-net.com>
- 20) [58440] NET reports:Norcal & QRQp
by Ed Loranger <we6w@netzero.net>
- 21) [58441] 20M rig: Deal in the works...thanks for replies
by WB9MII@aol.com
- 22) [58442] Nab dat FOX (tonight 0200)!
by "Steve/n0tu" <n0tu@webaccess.net>
- 23) [58443] ham library!!!!
by Kleibe Jacinto de Araujo <kleibe@anatel.gov.br>
- 24) [58444] Re: Acoustic Coupling of HT to External Antenna
by "Mike Yetsko" <myetsko@insydesw.com>
- 25) [58445] Re: mobile ant question
by "Bradfield, Brad V." <BBradfield@spectrapoint.com>
- 26) [58446] Re: West Coast K2 Net
by "K7FD-N7SG" <cqdx@teleport.com>
- 27) [58447] thanks
by Gordon <gordon@znet.groupz.net>
- 28) [58448] Re: Neat light source for QRP operations
by n2cx@voicenet.com
- 29) [58449] RE: Practical RF Design Manual by Doug DeMaw and other books.
by Tim Ahrens <tahrens@hilconet.com>
- 30) [58450] FS
by E L D <wd7y@pyramid.net>
- 31) [58451] Re: Counterpoise question
by "Bob Tellefsen" <n6wg@earthlink.net>
- 32) [58452] Re: Neat light source for QRP operations
by n2cx@voicenet.com
- 33) [58453] Re: Neat light source for QRP operations
by ARDUJENSKI@aol.com
- 34) [58454] Re: I care
by "Mike Yetsko" <myetsko@insydesw.com>
- 35) [58455] Contest: RAC Results from AZ & K7RE
by Brian Kassel <bkassel@dancris.com>
- 36) [58456] Re: I care
by "Mike Yetsko" <myetsko@insydesw.com>
- 37) [58457] K2 mobile, NC to OK
by "Richard E. Robinson" <rerobins@email.uncc.edu>
- 38) [58458] RE: Coupling HT's to BIG EXTERNAL ANTENNAS !!!
by "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
- 39) [58459] RAC WINTER CONTEST
by "Richard Williams" <richard.a.williams@attcanada.net>
- 40) [58460] HELP: Why do I have those = signs at the end of lines on my postings?
by Doug Hendricks <ki6ds@dospalos.org>
- 41) [58461] Holiday mW Contest-Invitation
by Paul Stroud <aa4xx@ipass.net>
- 42) [58462] Last FOX hunt of the Millenium
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 43) [58463] K2: Finals Zapped, Grandson Has First Ham Radio Experience

- by Doug Hendricks <ki6ds@dospalos.org>
- 44) [58464] HB: Variable Crystal Filter?
by "Brad Hernlem" <alihernlem@hotmail.com>
- 45) [58465] Re: Last FOX hunt of the Millenium
by Rod Cerkoney <rcw@frii.com>
- 46) [58466] Re: K2: Finals Zapped, Grandson Has First Ham Radio Experience
by Bruce Kizerian <kizerian@ced.utah.edu>
- 47) [58467] qrp ++ reset?
by femens@fly.HiWAAY.net
- 48) [58468] Re: Last FOX hunt of the Millenium
by wb2vuo@juno.com
- 49) [58469] Eham-- "Is life too short for QRP?"
by "Marshall Emm" <mgemm@mtechnologies.com>
- 50) [58470] Re: HB: Variable Crystal Filter?
by Chris Trask <ctrask@primenet.com>
- 51) [58471] FS: Sierra
by Allan G Taylor <agtaylor@ix.netcom.com>
- 52) [58472] Before Christmas 1999
by AlexQRP@aol.com

Date: Sun, 19 Dec 1999 19:14:25 -0500
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [58421] Results of "Which rig is Best" Question
Message-ID: <19991219.191736.-217313.2.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hy y'all once meaux

Well I done got over ten replies and I thank u one and all... this has been very helpful to me.... I have also received a request for copies of the replies comparing the rigs...

So What I Done Did is l..... took just the data from each message so no one can tell who sent it or wrote it... and made all the replies into one reply....

So if NO ONE WHO SENT IN A REPLY HAS ANY OBJECTION TO ME SHARING THE INFORMATION WITH OTHERS i CAN FOREWARD THE MESSAGES (WITHOUT ANY IDENTIFICATION OF WHERE IT CAME FROM, except of course that I sent it... :-)) TO ANYONE INTERESTED...

i can tell EVERYONE THIS ... The K2 seems to have one heck of a receiver... the replies indicate the order for the receivers is K2, icom 735, then the 706mk2

The K2 also got the most favored qsk report. This K2 must be a heck of a rig... I kneaux I liked my ic735 and did a lot of rough things with it

and it kept on ticking and could pull out a lot of signals.... however
the K2 seems to be just as tough and a better receiver and better qsk....
JUST CURIOUS..... IS THERE ANY KIND SOUL OUT THAIR THAT COULD STOP BY MY
QTH WITH A RIG i COULD USE FOR A FEW HOURS JUST TO SEE WHAT POWER LEVEL
IS MY THRESHOLD FOR GOOD SSTV... u CAN do the operating I just want to
see if it's 15 or 25 whatts that I need...
Joel KE1LA
In Maine

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Date: Sun, 19 Dec 1999 19:21:31 -0500
From: Brian <brian@iquest.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [58422] 40M or Bust
Message-ID: <385D768B.E5245CE9@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ok, so last night I'm watching TV and I think, Hey...get off the couch
and go run some QSO's on 40m.

I fire up the Scout, check the power at a little under 5 watts and
start tuning around. WHAT IS THIS?? Canadian Winter Something Contest,
SSB, in the middle of MY beloved 40M CW band. What to do, what to
do.....well after thinking about it, I tuned in VA2DF in Quebec, he
was calling contest CQ around 7059 or so on SSB so I just thought out
of pure ornerly I'd just call him...on CW. Son of a gun, he says back
"Is that a CW station calling me?" So I send the call again...he sez
"Good Evening KB9BVN, what is my serial number and report.." so heck,
I tell him he's serial number one and he's 5 by 9 (all my stuff is CW
remember) and he wishes me a Merry Christmas and sez thanks and I go
dit dit and sit there feeling like Harpo Marx.

So I hunt down another Canadian Contester...this time VE3SWA in
Ontario...he's yelling CQ contest but no one is talking to him...so I
fire off a yell in CW and he sez "CW station, you're 559 in Ontario,
what's my report and serial number"...I take a big drink of my diet
pepsi and in my best 18 wpm straight key fist I send "Ur 5 by 9, 59 59
59 in Indiana and ur nr is 2 2 2 QSL?" He got it all but the number so
I spelled it out and BLAMMO I had serial number two in the log books!

To make a fun story short, I hung out and worked a couple more stations...them talking, me dit dit dahhhing...it was a real hoot but I must say they were a very friendly bunch. I guess it's OK for them to be on MY band. <grin>

So, next time you think you're being QRM's on 40M CW, try calling the station....you might be surprised.

72 de KB9BVN

--

```
=====
KB9BVN -NORCAL #2792 FISTS #5695 QRP-L #1540
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
Proud to be a member of the American Radio Relay League
Foxhunting Team UNDERDOG - Underdog #4
FISTS Century Club #764 - FISTS QRP Century Club #24
=====
```

Date: Sun, 19 Dec 1999 18:44:21 -0600
From: Wayne Alexander <walexan@ipa.net>
To: qrp-l@lehigh.edu
Subject: [58423] Mile per Watt???
Message-ID: <4.2.0.58.19991219184241.00968220@popd.ipa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I was just wondering how to figure this.
I worked VE6JY and I was running 70mw.
Just thought it would be nice to know.
Thanks,
73,
N0EA
Wayne
Willard,MO
FISTS # 4907
QRP-L # 1058

Date: Sun, 19 Dec 1999 20:37:04 -0500
From: Francis Flynn <fflynn@together.net>
To: qrp-l@Lehigh.EDU

Subject: [58424] Re: SLINKY NITE
Message-ID: <385D8840.FB0BC210@together.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

That was in a 73 mag a while back. I might still have the copy. Is there such

a
thing as an index of 73 magazine, on the net perhaps? I don't know which issue
but it seems like it was in 1988 or '89. Unless I'm hallucinating or something.

ARDUJENSKI@aol.com wrote:

>
>
> PS remember the attic dipole using two metal garbage can lids as hats???

Date: Sun, 19 Dec 1999 20:38:52 EST
From: REDSBOY@aol.com
To: qrp-1@lehigh.edu
Subject: [58425] Re: qrp-1 Numbers
Message-ID: <0.972a3944.258ee2ac@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I now have the info, thanks again to the Premiere Response List on the Internet. I am passing it along and I know it is appreciated by the folks who asked for it, and I appreciate all your help.

Regards,

Karl - W4UTI

Date: Sun, 19 Dec 1999 20:43:29 -0500
From: radioham@erols.com
To: walexan@ipa.net, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [58426] Re: Mile per Watt???
Message-ID: <3.0.6.32.19991219204329.007c1360@pop.erols.com>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Wayne-

Basically, you take the distance between the two points and divide by the power. In your case, you are 1,469 miles from VE6JY. At 70 mw, this gives you a miles per watt of 20,986. More than enough to qualify you for a 1,000 mile per watt award from QRP ARCI. You can get full information on the awards application procedure at <http://www.qrparci.org>.

Great milliwatt contact and happy holidays.

72/73,

Steve, N4EUK
QRP ARCI Awards Manager

Date: Sun, 19 Dec 1999 20:46:54 EST
From: n5ib@juno.com
To: qrp-1@Lehigh.edu
Subject: [58427] HB: cw mod for Radio Shack HTX-10
Message-ID: <19991219.194515.19647.0.N5IB@juno.com>

I finished a cw adapter for the HTX-10 and have been trying it on a dummy load. Generally works, but the big problem is pretty severe key clicks.

I'm reasonably sure the clicks arise because of the dc level shift at the point where the signal is delivered to the HTX-10. I'm taking output in the emitter circuit of an emitter follower buffer (the oscillator runs all the time). The emitter resistor is 1100 ohms and output (about 20 mV rms) is taken 100 ohms up from ground, coupled to the rig through a 0.1 uF cap. The Vcc line to the buffer is keyed by a PNP switch (a la the Jan 1998 QST design). The scope shows the level shift (few 10's of mV) on make and break. I can't remember enough of my circuits class to work out the remedy..... any helpers out there?

73
Jim N5IB

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Date: Sun, 19 Dec 1999 20:09:10 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <n6wg@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [58428] Re: Counterpoise question
Message-ID: <00bf01bf4a8f\$34eeb0a0\$05987b7b@CSS0048.bergenbrunswick.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What would be the minimum reasonable size? Wonder, (and please pardon ignorance on my part as I sometimes have difficulty distinguishing the fine line between the terms "counterpoise" and radials), but the question is of interest to me. I have stranded wire radials (resonant lengths) on my Butternut. The wire came from stripping RS 300 ohm twinlead. I'm not sure what gauge that is - 18, perhaps?

In the back of my mind I've often wondered if my wires were big enough.

Dan W. Dooley WB5TKA Y2K Complacent
e-mail to: dandooley@pipeline.com
Si Hoc Legere Scis Nimium Eruditionis Habes

-----Original Message-----

From: Bob Tellefsen <n6wg@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Saturday, December 18, 1999 2:15 PM
Subject: Re: Counterpoise question

>Goran
>If you use only a few radial wires per band, they should be of a heavier
>size. The more wires you use, the thinner they can be, as the current is
>divided among them.
>73, Bob N6WG
>

Date: Sun, 19 Dec 1999 21:46:52 -0500
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "Qrp1_Submit (E-mail)" <qrp-l@Lehigh.EDU>, "_AAAA_NOGA_onlist (E-mail)" <nogaqrp@qth.net>
Subject: [58429] Re: Practical RF Design Manual by Doug DeMaw
Message-ID: <66FCE0D1DF76D311913800805F6D0FA33BDB47@MAILSERVER1>

MIME-Version: 1.0
Content-Type: text/plain

I concur with Chuck and it's great to know he's among the QRP living :-).

For many years the book "Solid State Design for Radio Amateurs" by Hayward and DeMaw has been my QRP and HB bible. Still is actually. (BTW mine sold for \$7 when I bought it in 1977). It is dog eared and the cover is fading but everytime I open it I find some basic electronic truth I hadn't noticed before.

I did buy Hayward's "Introduction to Radio Frequency Design" circa 1994 now published by ARRL and it plus the included software algorithms pushed me to my limit with the theory and math. I still have trouble with understanding the need for the models.

I ran across the the DeMaw book "Practical RF Design Manual" about a year ago and believe that it is just right for the average HB builder including me. There are great sections that explain little aspects of the same subjects in the other references but somehow the understanding seems clearer.

I highly recommend all three for anyone interested in learning and understanding more about basic electronic circuits as applied to ham radio particarilly QRP HB activities.

I hope that other companies take up the banner to republish some of the classic electronic books that are out of print just like MFJ did.

Sam Billingsley AE4GX Atlanta, GA
personal web page at <http://ae4gx.home.mindspring.com/>
North Georgia QRP Club web page at <http://www.qsl.net/nogaqrp/>

From: "Chuck Adams K7Q0" <k7qo@primenet.com>
To: dphilbin@thegrid.net
Cc: qrp-l@lehigh.edu
Subject: [58402] Re: Practical RF Design Manual by Doug DeMaw
>>>snip>>>
"Practical RF Design Manual" by Doug DeMaw, W1FB.
MFJ Publishing, Starkville, MS 39759 MFJ-3507, \$19.95
<http://www.mfjenterprises.com/>

>>>snip>>>

For the experimenter this is a must have book in my opinion. There are a large number of answers to questions that come up from time to time on the list as to why certain things happen in oscillators, transmitters, and receivers. It is going to take anyone some time to work through this book.

I completely support and endorse MFJ's effort to bring back into print books and works that were out of print. Look at their list on the web page. I recommend any of them to any radio amateur that likes to read and do research and learn.....

>>>>snip>>>

Date: Sun, 19 Dec 1999 18:14:31 -0800
From: "Mary & William Barnes" <mbarnes@islandnet.com>
To: qrp-1@lehigh.edu
Subject: [58430] Re: Neat light source for QRP operations
Message-ID: <E11zsv0-0002gI-00@mail.islandnet.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

> At www.electronicsusa.com (ex whiterook paddle company) They have
> something like what are explaining. They are little boxes with high-powered
> LED's on the bottom of one of the sides, which can light up the front panel
> of the rig. Has anybody had any experience with these?

> Ben - NW7DX
> Seattle, WA

At the first iteration of this thread about 2 years ago I bought a couple of the Whiterook (as it was called then) LED boxes to use in my off-grid house. During much of the year I have plenty of power from my solar panels to run lights, fridge, etc., but not during the winter in this part of the world when the sun is merely a memory. Thus, it's mainly kerosene lamps, but I got the LED lights to use while reading, playing with the radio, etc. I run one from my 1200 amp-hr main battery and the other from 8 alkaline AA cells. I am still using the original set of alkalines, with hundreds of hours of usage on them. Those LEDs are very efficient and give plenty of light for reading. You do have to make a stand of some sort to keep them oriented where you want them, as the LEDs are fairly tightly focussed, just right for the radio or a book.

William Barnes VE7MEW

Date: Sun, 19 Dec 1999 22:08:46 -0500
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [58431] mobile ant question
Message-ID: <19991219.220848.-220593.1.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

excuse me, thank u

I been thinking.... I have a lummmunim camper top on my pick em up truck... and I was wondering if I insulated that camper top from the truck bed.... would it make a good mobile antenna????

should I feed it at a cornor or in the center... seems like a lot of surface area to radiate a signal... and the truck body should be a good ground.... I could put plexi glass under the camper top to insulate it and I could use a 2x4 to raise it up a coupla inches to reduce the capactive coupling....

I would imagine a "tenna tuner" should tune it on the freq I want... anybody got any experience with this?????

joel kella

freezing in maine

but thinking of dixie

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Get your free software today: <http://dl.www.juno.com/dynoget/tagj>.

Date: Sun, 19 Dec 1999 22:34:56 -0500
From: Michael C Boatright <ko4wx@mindspring.com>
To: Sam Billingsley <SBillingsley@usaninc.com>
Cc: "Qrpl_Submit (E-mail)" <qrp-l@Lehigh.EDU>, "_AAAA_NOGA_onlist (E-mail)" <nogaqrp@qth.net>
Subject: [58432] Re: [NoGaQRP] Re: Practical RF Design Manual by Doug DeMaw
Message-ID: <385DA3E0.A9732CCB@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sam,

I highly concur. My SSD is getting dog-eared as well. It, IRFD and PRFDM most frequently reside near the upstairs

bathroom... 8-) There are still parts of IRFD that really blow me away, but I'm slowly beginning to understand. I think I've finally gotten transistor bias down, and Wes' chapter on how oscillators work stands out in my mind as one of the finest ever written about fundamental RF theory.

Wish I had a leather bound Handbook under the tree...but no luck there. Did have a UPS package on the front porch Friday PM from ARRL publications addressed to my wife. Not big enough for the handbook, but just about right for the history of QST on CDRom or the Radio Designer. 8-)

72 de Mike, K04WX

Sam Billingsley wrote:

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>
> Sam Billingsley AE4GX Atlanta, GA
> personal web page at <http://ae4gx.home.mindspring.com/>
> North Georgia QRP Club web page at <http://www.qsl.net/nogaqrp/>
>
>
> From: "Chuck Adams K7Q0" <k7qo@primenet.com>

> To: dphilbin@thegrid.net
> Cc: qrp-1@lehigh.edu
> Subject: [58402] Re: Practical RF Design Manual by Doug DeMaw
> >>>snip>>>
> "Practical RF Design Manual" by Doug DeMaw, W1FB.
> MFJ Publishing, Starkville, MS 39759 MFJ-3507, \$19.95
> <http://www.mfjenterprises.com/>
>
> >>>snip>>>
>
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> I completely support and endorse MFJ's effort to bring back into print
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> I recommend any of them to any radio amateur that likes to read and do
> research and learn.....
>
> >>>>snip>>>>
>
> ---
> Submissions nogaqrp@qth.net -- To unsubscribe, send majordomo@qth.net a msg.
Put "unsubscribe nogaqrp" in body.

--

Mike Boatright, K04WX
District EC, GEMA, Amateur Radio Emergency Service

A rock pile ceases to be a rock pile the moment a single man
contemplates it, bearing within him the image of a cathedral.
Antoine de Saint-Exupery

Date: Sun, 19 Dec 1999 21:49:16 -0500
From: k5xu@concentric.net
To: "qrp" <qrp-1@lehigh.edu>
Subject: [58433] Acoustic Coupling of HT to External Antenna
Message-ID: <000801bf4a94\$e48320\$6e4aadce@mike>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Somewhere long ago, I read about using a quarter wave pig tail on the end of a feed line to couple rf energy into an antenna system.

While this is an inefficient method, it can work well enough in emergency or temporary situations.

I would like to use it until I can get my hands on a bnc/sma adapter for my new VX-5R.

Is there a magical distance which must be maintained between the radio and the quarter wave line?

Any knowledge of this primitive method of getting more from your HT will be appreciated.

Mike Duke, K5XU, president,
Mississippi Council of the Blind

Date: Sun, 19 Dec 1999 23:08:44 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>, "njqrp@njqrp.org" <njqrp@njqrp.org>
Subject: [58434] EUREKA
Message-ID: <385DABCC.9AA4730@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've found a great product that I want to tell the group about. A lot of folks have talked about any number of things to keep their keys from walking across the table top. Well the XYL dragged me out to a Curtain and Linen store in search of some drapes. There I found a product:

MAXI GRIPPER
by Griptex Industries Inc.

This was a package of 5 "All-Purpose Gripper Pads". The advertising on the package says they can serve as Jar Lid Grippers...Holds anything in place...Easily cut to any shape...And much much more.

In the much much more category, I've placed these pads under each of my keys and they stay put better than anything I have tried over the years short of epoxying the key down. Total cost for this package of 5 was a

mere \$1.00.

The material seems to be a sort of plastic/rubbery mesh. My XYL informs me that a similar material is sold in houseware departments as shelf liner so you might give this a look as well.

Give this a look. The usual disclaimers apply. I have no interest in the company but after using it I think I'd like to name a child after the inventor.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Sun, 19 Dec 1999 22:54:40 -0600
From: "George T. Baker" <w5yr@worldnet.att.net>
To: hamjoel@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [58435] Re: mobile ant question
Message-ID: <385DB690.2FB2B890@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Try it, write it up for the reflector and QST, and behold, Joel the expert!

Instant fame and fortune(?) . . . ;^)

72/73, George

Fairview, TX 30 mi NE Dallas in Collin county

Amateur Radio W5YR, in the 54th year and it just keeps getting better!

R/C since 1964 - AMA 98452 RVing since 1972

hamjoel@juno.com wrote:

>

> excuse me, thank u

>

> I been thinking.... I have a lummmunim camper top on my pick em up

> truck... and I was wondering if I insulated that camper top from the

> truck bed.... would it make a good mobile antenna????

Date: Sun, 19 Dec 1999 20:57:20 -0800
From: "K7FD-N7SG" <cqdx@teleport.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [58436] West Coast K2 Net
Message-ID: <006e01bf4aa6\$b32d9a00\$57231ad8@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi all,

I'm reposting this for Glenn WA7SPY...ALL op's are welcome to stop by and say hello...

Posted on the Elecraft Reflector earlier today:

I have had several replies to my idea of a 80 meter SSB net. So now to make it a reality. The net will start this Wednesday December 22, 1999 0400 UCT (Wed @ 8:00pm PST) 3.865 MHz Come and join us for some fun if you have propagation. This will be a K2 owner get together and very informal. Hopefully the freq will be clear. If any one knows of a better freq or problems with this one please let me know so I can re-post it before Wednesday night. If for some reason my work takes me out of town John K7FD can get things going for me..

See you on Wednesday night
Glenn WA7SPY

Date: Sun, 19 Dec 1999 22:09:13 -0700
From: Bruce Grubbs N7CEE <n7cee@arrl.net>
To: BenNW7DX@aol.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [58437] Re: Neat light source for QRP operations
Message-ID: <3.0.5.32.19991219220913.00a3aaf0@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 16:13 12/19/1999 EST, BenNW7DX@aol.com wrote:

>Rick,

> At www.electronicsusa.com (ex whiterook paddle company) They have

>something like what are explaining. They are little boxes with high-powered
>LED's on the bottom of one of the sides, which can light up the front panel
>of the rig. Has anybody had any experience with these?

>

>Ben - NW7DX

>Seattle, WA

>

Yes, I have two of the Whiterook 5 led models with switch, and used them
last Field Day. One was used on the operating position and the other by the
logger. The rig was a Sierra which has a completely unlit panel, and the
led light lit up the panel and lcd nicely. The gel cell didn't even know
they were there.

72

Bruce N7CEE
n7cee@arrl.net

Date: Mon, 20 Dec 1999 00:27:09 EST
From: RangerSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [58438] Need a computer
Message-ID: <0.b38d49f3.258f182d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi Gang,
Anyone have a cheap pentium computer for sale?
This old 66 MHZ is not going to make it for Y2K..
Nothing wiz bang just a 100 or a 133 MHZ will be good enough for me and a
bigger HD.
Only have a 510 HD here.
Thanks and MERRY CHRISTMAS TO ALL
Bob
WA2HOQrp <tm>

Date: Sun, 19 Dec 1999 23:04:06 -0700
From: Thomas Kuehl <ac7a@gci-net.com>
To: plburbank@kih.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [58439] Re: Receivers: CW Filters, More Comments from the Doctor

Message-ID: <385DC6D6.32475369@gci-net.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Pete:

Sorry I didn't get back to you sooner but my PC's power supply went belly up yesterday. I had to locate a new supply and install it. It seemed odd to be out fighting the holiday traffic trying to find a place that had one in stock.

Since Wayne responded directly about Elecraft's reasons for using an RC Active Filter design in the K2's audio filter option, I refer you to his posting.

I wasn't my intent to come down hard on DSP based filters; they can have remarkable performance. The possibilities for different responses are limitless and their roll-off can approach the proverbial "brick wall" response. But when it comes to complexity, the DSP filter's far exceeds that of the RC Active filter and SCAF designs, and it is unlikely in all but unusual circumstances that amateurs will be rolling their own DSP filters. They are usually implemented using a manufacturer's chip set and that requires an in-depth understanding of how it functions and how to program it. TI and ADI are two manufacturers of DSP chip sets that come to mind and they provide a wealth of information on there DSP products. I haven't really looked into them in about 5 years so I am severely behind in what is presently available.

A stand-alone DSP filter is made up of an input A-to-D converter (with an anti-aliasing filter), the DSP chip (where millions of digital multiplications and additions take place), a microprocessor with associated internal or external memory and code, and a output D-to-A converter. The output converter is usually followed by a reconstruction filter. Because of their complexity they are most suitable for high volume production where the development costs can be absorbed across a number of similar products. They also require a fair amount of power and that probably precludes using them from being used in most QRP applications. This is not to say that they are out of the question for specialized amateur use such as weak signal reception. Because the application begs for the capabilities of DSP it is easily justified. An elegant tool for a difficult task.

Best Regards and Happy Holidays, Thomas - AC7A (Tucson)

Pete Burbank wrote:

> Thomas and Gang,
> I looked at the EleCraft Archives for 1998-1999 and couldn't find
> the discussion. Could someone point me to it?
> One reason I was curious about the subject was I had just read a
> discussion by the Weak Signal Guys and they didn't have any bad
> things to say about DSPs.

> So now I'm confused because a DSP seems like such an elegant
> way to filter audio. Any advice would be appreciated.
> 73 Pete NV4V

Date: Sun, 19 Dec 1999 23:46:33 -0800
From: Ed Loranger <we6w@netzero.net>
To: qrp-l@lehigh.edu
Subject: [58440] NET reports:Norcal & QRQp
Message-ID: <385DDED9.BD0ACE9B@netzero.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello great friends. The 40 meter band was quite a challenge and I was hoping for 4 or 5 check-ins tonight. I'd have been happy with that for sure. But wow! We had 11 check ins! What a kick. I really wish to thank all who made it and also I know there are likely others that couldn't, but tried!

Conditions were shared with nearby QRM and background QRN which was constant in nature, actually persistent in a manner less bothersome than heavy crashes.

Here's the totals for the Norcal Net: 0200Z-0253Z; 7045 KHz.

K8CV/Walt from MI but we lost him to QSB.

AF5Z/Bob in TX who went to 13 dB over 5 Watts to get in. Tks Bob!

K6RPN/Doug in Grass Valley; Been working on a ATU for his mobile.

NW7DX/Ben in WA with heavy Rain/wind today. His 40 M Delta loop up 70 feet is quite a performer.

KD7S/Bill in Sanger, CA who only today used FM mode for the first time on his Knwd TS570DG!

KC7NBM/Paul in Spokane, WA report 29 deg F. wx! Nice 1st QNI.

N6WG/Bob in Newark, CA. Bob pulled out the stops to work the net.

thanks Bob and that's probably our 200th qso....

KN6YD/Jeff in Lake Isabella, CA, a real regular to all the nets/QRP activities.

NB6M/Wayne who shared some of his Muir Wood hiking story.

AB5PC/Dave in Fresno, CA a regular solid attendee with K2 and G5RV.

AC6UV/Gody in Cerritos, CA, on the beach today, no less. Nice WX today.

QRQ Practice net, 0300Z-0405Z; 7039 kHz; 0405Z-0420Z on 3579 KHz

Attendees:NW7DX, K7TQ, AF5Z, NB6M, AC6UV, and me.

We stepped thru the following: 24 WPM, 28, 32, 37 WPM. Everyone goes at their own speed but that was the suggestion at each round. We lost K7TQ and AC6UV fairly early to QSB but they got to

send and it was great to hear them cooking along and getting better.

The sentences were published earlier in the week. It is always fun to play the spelling game and we all took shots at it and had fun.

I tried to get in a "-", hyphen in Hang Gliding but no takers...
dadididididah.

I had two misspelled words but not a problem.

It was great fun and 3 of us made it to 80 meters but that band had high absorbtion. We'll work on that some more.

This was an excellent QRP evening. Thanks again.

72/ED we6w; AR Millennium Q's=>2409/2000 A-1 OP

<http://www.qsl.net/we6w> Santa Rosa, CA

QRP-Z#106 AR#112 HI#64 ARCI#9397 ARS#275 L#1068 NC#2227

NetZero - Defenders of the Free World
Get your FREE Internet Access and Email at
<http://www.netzero.net/download/index.html>

Date: Mon, 20 Dec 1999 05:30:09 EST
From: WB9MII@aol.com
To: qrp-l@lehigh.edu
Subject: [58441] 20M rig: Deal in the works...thanks for replies
Message-ID: <0.46b9141f.258f5f31@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Howdy Fellers,
Once again QRP-L comes through. A feller and myself are getting a deal going on a 20M rig. I appreciate all the replies. Happy Holidays

72

Greg WB9MII

QRP ARCI 9719

Fists 3347

Amateur Radio Post 380 - Am. Legion

Date: Mon, 20 Dec 1999 06:06:42 -0700
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Subject: [58442] Nab dat FOX (tonight 0200)!

Message-ID: <006601bf4aeb\$0fefb180\$5448460f@snp.webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The FURY ONE will dash (and dot <sri>) tonight
at (0200 UTC 12/21).

FOX: - CQ FOX de N0TU 559 CQ Steve nr 911
Freq:~ 7043KHz or 7037KHz depending on local QRM!

My ears are alerted, my filters are sharpened and my fingers are a'
twitching ...Let the wailling begin!

See you in the hunt or maybe not?<g>

Steve/n0tu - Monument, Colorado

Date: Mon, 20 Dec 1999 11:42:54 -0300
From: Kleibe Jacinto de Araujo <kleibe@anatel.gov.br>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [58443] ham library!!!!
Message-ID: <6A3A6C7C6177D311932B0000E21F2B78153816@ANATELMAILE>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Gang,

Im happy for all that help me on my least question.
Im making a ham library on my QTH and need some sugestions about qrp
books(old or new)
i have the following books:
ARRL Handbook -1999
ON4UN Low Band DXing
W1FB - QRP NOTEBOOK
W1FB DESIGN NOTEBOOK
and=20
QRP POWER..

Somebody suggest somethings???

73=B4s

Kleibe Jacinto de Araujo

PP2KJA=20

Date: Mon, 20 Dec 1999 08:50:10 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <k5xu@concentric.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [58444] Re: Acoustic Coupling of HT to External Antenna
Message-ID: <009201bf4af1\$d36ef020\$9001a8c0@wn.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Somewhere long ago, I read about using a quarter wave pig tail on the
end of
> a feed line to couple rf energy into an antenna system.
>
> While this is an inefficient method, it can work well enough in
emergency or
> temporary situations.
>
> I would like to use it until I can get my hands on a bnc/sma adapter
for my
> new VX-5R.
>
> Is there a magical distance which must be maintained between the radio
and
> the quarter wave line?
>
> Any knowledge of this primitive method of getting more from your HT
will be
> appreciated.
> Mike Duke, K5XU

If you mean just to couple an HT to a feed line without using an
'adapter'
look at the cell phone options. They sell little things that clip onto
cell
phone antennas with a short length of coax to a TNC jack. They also
sell 'caps' for the 'shorty' antennas to do the same thing.

They even sell 'passive' antennas for cars that are little dipoles on the inside of the glass that couple to a much larger antenna on the outside of the vehicle.

You might start by just looking at those, taking measurements, and seeing how they work out. Then trying to 'copy' some of the designs to 2M.

But seeing as how cell phones are at much higher frequencies, they have a lot more 'realestate' to play with from a wavelength point of view in a small area than you would have at 2M.

Mike
N1DVJ

Date: Mon, 20 Dec 1999 08:12:23 -0600
From: "Bradfield, Brad V." <BBradfield@spectrapoint.com>
To: "'hamjoel@juno.com'" <hamjoel@juno.com>, "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [58445] Re: mobile ant question
Message-ID: <8D9A3E0C6F42D1118EDC0060081D3FFA02077B48@ucusmail.spectrapoint.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Dear Freezing in Maine - -

I reality, you can load virtually anything and make it into an =
"antenna."
How well it will really radiate, however, is highly suspect. I stayed =
in a
motel in Tucson a couple months ago where there was no way I could put =
a
wire antenna of any kind out the window. I ended up loading the metal
balcony railing, which "worked," but not at all well. Marginal =
antennas
like this, or what you're talking about, should only be a last ditch =
effort.

72's es 73's,

Brad, W5CGH

=3D=
=3D=
=3D=3D=3D=3D

Brad Bradfield, PE
(ex WB=D8CGH)

W5CGH

Test Staff Engineer
SpectraPoint Wireless LLC

Real men talk with their fingers!

QRP-L #377
ARS #72

SMIRK #4906
Austin QRP Club #i

QRP-ARCI #

Date: Mon, 20 Dec 1999 07:12:30 -0800
From: "K7FD-N7SG" <cqdx@teleport.com>
To: "Walt Amos" <waltamos@surfree.com>
Cc: <qrp-l@lehigh.edu>
Subject: [58446] Re: West Coast K2 Net
Message-ID: <000c01bf4afc\$a5923620\$8a231ad8@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thursday at 0400Z or
Wed at 8pm

Hi Walt,

Yeah I'm with ya...the original post said Wed at 0400Z so I knew we were in trouble...I added the Wed @ 8pm to add to the confusion...hihi...

Have a Happy Holiday...

73 John K7FD

-----Original Message-----

From: Walt Amos <waltamos@surfree.com>
To: cqdx@teleport.com <cqdx@teleport.com>
Date: Monday, December 20, 1999 5:30 AM
Subject: Re: West Coast K2 Net

>something wrong here !! Both PST and GMT are both on Wednesday !!

>
>ERROR ERROR ERROR !!!
>
>said Robby the robot !!
>
>Walt
>----- Original Message -----
>From: K7FD-N7SG <cqdx@teleport.com>
>To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
>Sent: Monday, December 20, 1999 04:57
>Subject: West Coast K2 Net
>
>
>> Hi all,
>>
>> I'm reposting this for Glenn WA7SPY...ALL op's are welcome to stop by and
>> say hello...
>>
>> Posted on the Elecraft Reflector earlier today:
>>
>> I have had several replies to my idea of a 80 meter SSB net. So now to
>make
>> it a reality. The net will start this Wednesday December 22, 1999 0400
UCT
>> (Wed @ 8:00pm PST) 3.865 MHz Come and join us for some fun if you have
>> propagation. This will be a K2 owner get together and very informal.
>> Hopefully the freq will be clear. If any one knows of a better freq or
>> problems with this one please let me know so I can re-post it before
>> Wednesday night.If for some reason my work takes me out of town John K7FD
>> can get things going for me..
>>
>> See you on Wednesday night
>> Glenn WA7SPY

Date: Mon, 20 Dec 1999 10:35:11 -0500
From: Gordon <gordon@znet.groupz.net>
To: qrp-1@Lehigh.EDU
Subject: [58447] thanks
Message-ID: <4.2.0.58.19991220102603.00968de0@mail.groupz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Just want to say thanks to all those who welcomed me to the QRP gang. and

especialy(Icant speel either) anyway Karl thanks a million and am sure I will enjoy haming again

73'S And to all QRPers every where Merry Xmass and Happy new Year

Gordon Qrp nr 2103

Date: Mon, 20 Dec 1999 10:56:22 US/Eastern
From: n2cx@voicenet.com
To: qrp-l@lehigh.edu
Cc: njqrp@njqrp.org
Subject: [58448] Re: Neat light source for QRP operations
Message-ID: <199912201556.KAA328518@nss4.cc.lehigh.edu>

Group,

Guess this thread is cycling thru again. :-)

After the subject of usign ultrabright LEDs sirfaced a cupla years ago, I got some of the yellow LEDs from R/S (expensive) and a bunch from one of the left coast surplus houses.

I wired up two light sources. One was in a R/S palstic box with the single R/S LED at an appropriate height to shine on my Sierra LCD display and the second was in a 6" long box to use as a side light for viewing log sheets. We used 'em at the 1998 NJQR Filed Day effort.

They are detailed in an "Information Exchange Joe's Quickie" in the Apr 1999 QRP Quarterly with the title ""A QRP Light for Field Use". They were alos on display among homebrew projects at the ARCI hiospitality suite at Dayton last year.

BTW, I found the yellow light to be easier to read by and less prone to attract insects than red.

72/73,

Joe E.,
N2CX

This message was sent using Voicenet WebMail.

<http://www.voicenet.com/webmail/>

Date: Mon, 20 Dec 1999 21:52:15 -0600
From: Tim Ahrens <tahrens@hilconet.com>
To: qrp-1@lehigh.edu
Subject: [58449] RE: Practical RF Design Manual by Doug DeMaw and other books.
Message-ID: <385EF96F.42DC1522@hilconet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi folks:

Looked into the availability of the 3rd edition of the 'Art of Electronics'. Talked to the publisher, not available, and not pending. :-(

Just FYI

Happy Holidays to all!!

Tim W5FN

Date: Mon, 20 Dec 1999 08:41:24 -0700
From: E L D <wd7y@pyramid.net>
To: qrp-1@lehigh.edu
Subject: [58450] FS
Message-ID: <199912200840546.SM00161@206.100.200.174>
Mime-version: 1.0
Content-type: text/plain; charset="us-ascii"
Content-transfer-encoding: 7bit

FS MFJ-9030 Cw Xceiver
in good condition
with original box and manual
\$90.00 Shipped CONUS
775-825-5163 Ed

Date: Mon, 20 Dec 1999 09:57:27 -0800

From: "Bob Tellefsen" <n6wg@earthlink.net>
To: "Dan W. Dooley" <dandooley@pipeline.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [58451] Re: Counterpoise question
Message-ID: <01bf4b13\$ada6e100\$8ef0fc9e@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Dan

I guess the answer is somewhat relative to what you have to work with. I'd say your conductors from twinlead are fine. If you were running 100 radials, probably #22 or #24 would even do the job just fine. You have to consider not only current carrying capacity, but also simple mechanical strength. Is the wire strong enough to support itself in a strong wind? Or if your local weather includes icing up on wires, will the wires support this?

The salvaged telephone wire I'm using must be about #22 or #24 and seems to work just fine. I wish I had more room to run them in.

I think there is a fine semantic difference between radials and counterpoise. My take is that radials essentially radiate from a center, like wagon wheel spokes. The outer tips may be tied together, or they may not. Radials can be on ground or elevated. Radials are usually a resonant length. When there isn't room for a resonant length, then as many as possible are used.

A counterpoise is a network of wires bonded together, not necessarily of resonant length, and often of a rectangular shape. It would be elevated preferably, and as large as possible.

Where radials can be thought of as the resonant other half of a dipole (when we are using a vertical quarter wave antenna), the counterpoise is an attempt to provide an artificial ground in place of real ground. You would see this on top of buildings, for example. A good dirt ground is a long ways off.

When all is said and done, the differences are rather gray. Lots of room for quibbling. I'd call what I have strung out a counterpoise, rather than radials. None are a resonant length, although I tried to get them to radiate from a common point.

I hope this sheds a little light on a somewhat gray area, Dan.

73, Bob N6WG

-----Original Message-----

From: Dan W. Dooley <dandooley@pipeline.com>
To: n6wg@earthlink.net <n6wg@earthlink.net>; Low Power Amateur Radio
Discussion <qrp-l@Lehigh.EDU>
Date: Sunday, December 19, 1999 6:12 PM
Subject: Re: Counterpoise question

>What would be the minimum reasonable size?
>
>In the back of my mind I've often wondered if my wires were big enough.
>
>Dan W. Dooley WB5TKA Y2K Complacent
> e-mail to: dandooley@pipeline.com
>Si Hoc Legere Scis Nimium Eruditionis Habes

Date: Mon, 20 Dec 1999 12:57:32 US/Eastern
From: n2cx@voicenet.com
To: "Scott E. Olitsky" <solitsky@buffalo.edu>
Cc: qrp-l@lehigh.edu
Subject: [58452] Re: Neat light source for QRP operations
Message-ID: <199912201757.MAA181192@nss4.cc.lehigh.edu>

Scott,

Right you are! However during Field Day I fget so wrapped up in operating
radios that the need for night vision is kinda secondary! ;-)

72/73,

Joe E., N2CX

> The only potential problem of the yellow light is that it may disturb your
> night vision once you are fully dark adapted to the night sky. Red does not
> stimulate the cells in your eye responsible for night vision while yellow
> will.
>
> Scott
>
> AC3A
>

This message was sent using Voicenet WebMail.
<http://www.voicenet.com/webmail/>

Date: Mon, 20 Dec 1999 13:13:45 EST
From: ARDUJENSKI@aol.com
To: n2cx@voicenet.com, qrp-1@lehigh.edu
Subject: [58453] Re: Neat light source for QRP operations
Message-ID: <0.35c428fc.258fcbd9@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

The chemical lite sticks work well also and are inexpensive. If you live near a place that services lifejackets and survival suits you can get them free (the expired ones). Light is temperature sensitive so at freezing it will be dim.

Alan KB7MBI

Date: Mon, 20 Dec 1999 14:18:21 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Walt Amos" <waltamos@surfree.com>
Cc: "Qrp-1 Posts" <qrp-1@lehigh.edu>
Subject: [58454] Re: I care
Message-ID: <00cd01bf4b1f\$4a5de4c0\$9001a8c0@wn.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

> You know Mike, a 50 ohm across the feed point of an antenna work
great on
> all bands also. :-)

As someone just pointed out to me, this is not so. But you know, I
didn't
catch it.

A 50 ohm resistor DOESN'T work great. It works like CRAP!!

It calculates greats. It tunes great. It appears great. But it works

like
crap. At least as far as an antenna is concerned!

Mike

Date: Mon, 20 Dec 1999 10:29:40 -0700
From: Brian Kassel <bkassel@dancris.com>
To: QRP-L <QRP-L@lehigh.edu>, Bob Patten <n4bp@bc.seflin.org>
Subject: [58455] Contest: RAC Results from AZ & K7RE
Message-ID: <385E6784.CA057DE6@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gangue:

I worked the Canadian RAC contest this weekend. Only the 10 canadian sections count as a multiplier, but they are scored on a per band basis. US stations count as only 2 points, regular VE's as 10, and special RAC stations (VE5RAC, VE6RAC etc.) count as 20 points. It was a nice, laid back affair. I did 5w, K-2 and CW only.

I love my K-2 more than ever.

The RAC VE folks throw a very nice contest, almost as laid back as the QRP only events that we all enjoy. Thanks to all of them that made it possible.

Total QSO's	QSO Points	Multipliers	Final Score
168	1412	28	39,536

Brian K7RE
Az ScQRPions

Date: Mon, 20 Dec 1999 15:51:01 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [58456] Re: I care
Message-ID: <032d01bf4b2b\$f2e2f3e0\$9001a8c0@wn.net>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

People, if my choice of words has offended anyone, I appoligize. It was pointed out to me that I could have crossed a line with some individuals with my choice of vocabulary in my recent posting.

If that's the case, please consider that I had no intention of offending anyone with choice of words.

If anyone feels offended, feel free to contact me privately as well.

Mike Yetsko
N1DVJ

Date: Mon, 20 Dec 1999 16:02:12 -0500
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
To: qrp-l@lehigh.edu, ;;k2@nss4.cc.lehigh.edu
Subject: [58457] K2 mobile, NC to OK
Message-ID: <v03102803b47ede884dfc@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

On 12/22 I will start a long drive from Charlotte, NC, to Oklahoma City. I'll be using my K2 mobile on 10 meter SSB. The frequencies I'll be using will be the K2 calling freq. 28.715, 28.885 and the novice SSB freq. 28.385.

I hope to work some QRP SSB folks along the way. Once in OKC, I'll be using a portable inverted v for some CW and SSB work during the holidays.

72 and Happy Holidays to everyone on qrp-l,

Rick kf4ar

Date: Mon, 20 Dec 1999 15:46:26 -0500
From: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
To: "qrp-L" <qrp-l@LeHigh.edu>
Subject: [58458] RE: Coupling HT's to BIG EXTERNAL ANTENNAS !!!
Message-ID: <000701bf4b2f\$8ea83e40\$04000a0a@default>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, almost all Handie Talkies are QRP rigs ...RIGHT?
SO THIS IS AN "ON TOPIC POSTING" NO NEED TO FILTER HI HI
Just a few of those Hand Held FM transceivers are capable of more than 5
watts output, and then usually for just
a few transmissions, as they go down to QRP as soon
as the battery voltage goes down !
We all use 2 meters and 70 centimeters HTs ... RIGHT ?
So here is what I do at home to improve the HT coverage as I move inside the
house... and IT WORKS...
When I finish working with the 2 meter band BEAM
or the HALF SQUARE ARRAY or the CURRENT FED BOBTAIL..(Those are now my 3
antennas for 2 meters)
I decide which I will connect to a 2 meter band
dipole tuned to 145 MHz and that sits IN MY SHACK...
FOLLOW ME.???...
Any signals picked up by the antenna I have connected
to the "in shack half wave dipole" is obviously
RE-RADIATED into the house environment ...right ?
So , if I connect the HALF SQUARE , which is bidirectional
I get a definite improvement into the EAST and WEST...
which I can hear well when I use the HT inside the house.
The fact is that if I am sitting in another room and
working through a repeater, IF THE INSIDE DIPOLE connected to the external
antenna is disconnected, I get less
received signal in my HT's rubber duckie antenna, and
likewise, measurements show that I do get out better...
The radius of coverage of this "RE-RADIATING" depends
on which part of the house I am located, as I get near
the "inside the shack dipole" signals increase...
This "re radiating" has had some commercial applications
using passive antennas...but well, that's another subject.
And if YOU had the patience of reading till this line
may YOU AND YOUR FAMILY RECEIVE SEASONS GREETINGS
FROM THE CORO's IN HAVANA !!!

Arnie Coro C02KK

e-mail:arnie@radiohc.org
e-mail:inforhc@mail.infocom.etecsa.cu

Postal address:
Prof. Arnaldo Coro Antich
La Torre no.127 entre 35 y 37

Nuevo Vedado, Plaza
Ciudad Habana , 10600
CUBA

Date: Mon, 20 Dec 1999 17:21:37 -0800
From: "Richard Williams" <richard.a.williams@attcanada.net>
To: <qrp-l@lehigh.edu>
Subject: [58459] RAC WINTER CONTEST
Message-ID: <001d01bf4b51\$bab7b8e0\$92cec28e@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I was running my new Kenwood 570 at 5 watts and a TH6. I operated about 8 hours mainly calling CQ. I ended up with 285 Q's, 13 RAC stations and 61000 points. Next year I'm going to go full blast for 24 hours. Tha bands were great. Rick VE9HF.

Date: Mon, 20 Dec 1999 13:53:28 -0800
From: Doug Hendricks <ki6ds@dospalos.org>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [58460] HELP: Why do I have those = signs at the end of lines on my postings?
Message-ID: <01BF4AF1.9E705940@dialup-42.dospalos.org>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Guys, I am using microsoft outlook, full version as my mailing program, = and as you will note, I have =3D signs at the end of my lines in my = postings. Can anyone tell me how to fix this? Thanks, Doug, KI6DS

Date: Mon, 20 Dec 1999 17:28:03 -0500
From: Paul Stroud <aa4xx@ipass.net>
To: klqrp <klqrp@waterw.com>
Cc: QRP-L <QRP-L@lehigh.edu>
Subject: [58461] Holiday mW Contest-Invitation
Message-ID: <385EAD73.479B4709@ipass.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,

All QRP enthusiasts are invited to my shack for the Sunday afternoon session of the Holiday Milliwatt Contest. The contest runs from 1-5PM EST (1800-2200Z) this coming Sunday afternoon, Dec 26th. (Note different times on Mon and Tues). Full details of the contest can be found at <http://www.qsl.net/qrpp/mwtest.html>

Please bring a lawn chair, and any coffee drinkers out there are free to bring a pot of coffee. I'll supply the soft drinks. Also, bring your favorite QRP rig and paddles, if you like.

We'll have a NorCal 40 with Paddlette Backpacker paddles (courtesy of Sir Dick, KG4CRU) and a Sierra station for the other bands. Antennas include a selection of dipoles and a 2 el phased wirebeam for 40M. We'll run two stations simultaneously using the Grand Strand QRP Society's callsign--W4LOW.

My place is in southern Wake County, 12 miles due south of Raleigh, near Wake Technical college. My full address: Paul Stroud, 1318 Alderman Circle, Raleigh, NC 27603.

>From Raleigh, exit off the southern loop of the I-40 beltline onto South Saunders St., proceeding south.

Follow the signs for Hwy 401 S. toward Fuquay-Varina.

Look for Wake Technical College on your left, about 10 miles south of Raleigh on 401 S.

Proceed south on 401 another 1-1/2 miles.

Turn LEFT onto Banks Road and proceed approx 1 mile.

Turn RIGHT onto Alderman Circle and proceed straight 1 mile to the stop sign.

Turn LEFT at this tee onto the dirt road (also called Alderman Circle) and proceed to the second driveway on your left. You'll see two little red barns at the driveway entrance and a split rail fence ringed with cedar trees. Follow the long drive up to the log house.

If you've never had the chance to operate at mW power levels before, this will be an opportunity for you to get your feet wet with QRPP(ppp).

We will be laid back, with an emphasis on comaraderie and FUN.

Please DO come, and bring a ham buddy along with you. CU Sunday afternoon!

72 de Paul, AA4XX tel (919) 779-1637

Date: Mon, 20 Dec 1999 17:30:21 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [58462] Last FOX hunt of the Millenium
Message-ID: <199912201733_MC2-91E1-F15F@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
charset=us-ascii
Content-Disposition: inline

Gang:

Good luck to Steve N0RC and to all us hunters tonight in the last 40 Metre FOX hunt until the new millenium begins. Fingers crossed for great propagation. Let's try to keep the transmit frequency clear to help everyone :-).

72,

--Doc Lindsey/K0EVZ
DSBF
PO BOX 6028
Bismarck, ND 58506
K0EVZ@arrl.net

Date: Mon, 20 Dec 1999 14:49:04 -0800
From: Doug Hendricks <ki6ds@dospalos.org>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [58463] K2: Finals Zapped, Grandson Has First Ham Radio Experience
Message-ID: <01BF4AF9.5FD88240@dialup-42.dospalos.org>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Guys, I had an adventure over the last week with my grandson, who is 2 = and 1/2 years old. He was visiting, and I was on the air. He came up = to the desk and asked what I was doing. I let him listen to the =

headphones, and he was quite taken with the lights, bright chrome Long = Island Mercury Paddles, and the "beep beep" sounds. Soon he left to go = play, and I continued with my qso. Then, I got a phone call, and made a = soon to be regretted mistake. I forgot to turn off the K2.

About an hour later, I heard JoAnne tell Tyler to leave "PaPa's radio = alone". She then asked me if he could hurt it. I replied that it was = fine, and that he could not hurt anything. I know I should have gotten = up and checked it out, but I was reading one of the "Foxfire" books, and = just couldn't put it down.

The next day, I decided to get on the air, and went to the radio. I saw = the power supply on, but the K2 was not! Uh oh, problem here. I turned = on the K2 and got a "High Current" message, then it seemed normal. I = tuned around, and the receiver was fine. Then I tried calling CQ, and = looked at the wattmeter. Oops, no output power. Tried several other = bands, no go. =20

Here is what happened. Tyler (my grandson), tried out the paddles. He = wanted to be like PaPa. He evidently pushed them against the side of = the radio, and was sending a steading stream of dashes until the finals = died. So, if you heard a steady stream of dashes on 28.064, I am the = guilty party. I apologize for the error. I have no idea how long the = radio was stuck sending dashes, but I imagine it was quite awhile. I = couldn't be mad at Tyler, because he was curious. I was the one = responsible for it happening.

So, I got out the manual, and looked at things, and decided to give = Elecraft a call. Eric and Scott said that they had not had anyone "burn = up a set of finals" by transmitting for a long period of time. But they = did say it could happen. Eric had me take the voltage readings, and I = did, and they seemed normal. Then he had me check the current draw (The = K2 will measure it's current and voltage readings). The current was = 0.46 amps, which is about twice what it should be. Eric said that was = certainly strange and indicated that something was wrong. He suggested = that I build the RF probe and use it to trace the signal and then get = back to him.

I thought about it, and then gave Dave Fifield a call. Dave is a good = friend and one of the best trouble shooters I have ever seen. He = suggested that I bring the radio over on Sunday and he would find the = trouble. I eagerly accepted his offer.

I have said this before, but it still amazes me to watch a guy like Dave = fix a radio. He asked me what the symptoms were. I told him, no power = out, and the voltage readings were normal on the transistors in the PA, = Q5, 6, 7 & 8. All of which were checked in transmit mode. I also told = him that it was drawing about half an amp in receive. That caused him =

to raise his eyebrows, and he commented that was an indication that =
something was seriously wrong.

Dave then looked at the schematic of the PA section. He then said that =
something was causing the radio to draw too much current. He measured =
across a resistor near Q11, and it was fine. Then he measured one near =
Q12, and it was fine. While he was doing this, he happened to touch the =
final, Q7, and said "Ouch, that is hot!!" Well, that is not verbatim, =
but this is a family rated group, grin. He turned to me and said, =
"Doug, the radio is in receive and the final transistors are both hot, =
that tells me that they are being turned on." He then looked at the =
circuit and decided that Q13 must be bad. He removed it from the =
circuit, tested it, and it was bad. Had a gain of 1. It was a 2N2222A, =
plastic case, he got one from his parts stash, and test it. Gain 234. =
Ahhh, much more like it. He soldered it in and then we checked the =
current draw (or rather Dave did, I watched). Still about half an amp. =

Dave then decided that the final transistors were indeed bad. He pulled =
them and then checked the current draw with the final transistors out of =
the circuit. Now it was only drawing 0.26 amps, which is normal. Dave =
then replaced the finals with two new ones from his Red Hot Radio stock, =
and it worked perfectly! What a genius. Boy was I happy, My K2 is =
back working great again, and I learned something, "Always turn off the =
radio when you leave it", especially if your grandson is around, grin.

The K2 troubleshooting guide has you take voltage measurements when you =
are transmitting, but maybe it should have you take them when receiving =
too!! Thanks to Eric, Scott, and Dave, my K2 is now well. Hope to =
work you on the air. 72, Doug

Date: Mon, 20 Dec 1999 15:01:55 PST
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [58464] HB: Variable Crystal Filter?
Message-ID: <19991220230155.23583.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I was surfing around and ran across the following schematic
which contains what appears to be a variable crystal filter
using AM tuning diodes instead of the usual fixed caps.
Anyone have any feedback on experience with this sort of
circuit?

http://www06.u-page.so-net.ne.jp/ga2/semba/std_trx/std_rx_sch2_2.htm

Brad

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Mon, 20 Dec 1999 16:15:54 -0700
From: Rod Cerkoney <rlwc@frii.com>
To: "Wilford D. Lindsey" <70511.3041@compuserve.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [58465] Re: Last FOX hunt of the Millenium
Message-ID: <19991220161554.A55813@io.frii.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

On Mon, Dec 20, 1999 at 05:30:21PM -0500, Wilford D. Lindsey wrote:

> Gang:

>

> Good luck to Steve N0RC and to all us hunters tonight in the last 40 Metre
 ^^^^^^^^^^

OOPS, Steve would be N0TU.

I, Rod Cerkoney, N0RC, will gladly accept good wishes, for I shall attempt to work Steve, N0TU, with my TT2. I figure if a K2 can break-up a QRO DX pile-up. A TT2 can break a QRP Fox pile-up. Stay tuned results at 0400UTC.

--

72/3 Rod, N0RC -- Ft Collins, CO

Date: Mon, 20 Dec 1999 16:24:00 -0700
From: Bruce Kizerian <kizerian@ced.utah.edu>
To: ki6ds@dospalos.org
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [58466] Re: K2: Finals Zapped, Grandson Has First Ham Radio Experience
Message-ID: <385EBA90.56C5656E@ced.utah.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> So, I got out the manual, and looked at things, and decided to give Elecraft a call. Eric and Scott said that they had not had anyone "burn up a set of finals" by transmitting for a long period of time. But they did say it could happen.

I guess by now you know the true definition of a "Kid".

And that is...A person who can destroy an anvil with a rubber mallet.

Bruce kk7zz

Date: Mon, 20 Dec 1999 17:33:06 -0600
From: femens@fly.HiWAAY.net
To: qrp-1@Lehigh.EDU
Subject: [58467] qrp ++ reset?
Message-ID: <199912202332.RAA23701@mail.HiWAAY.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Some upset has scrambled the memories in my qrp ++. I have 2 questions.

Is there a lithium battery in there to hold up the memory settings?

Is there a reset procedure that will restore the factory default settings?

73, Frank Emens, W4HFU
Huntsville, Alabama
femens@hiwaay.net

Date: Mon, 20 Dec 1999 18:38:29 -0500
From: wb2vuo@juno.com
To: qrp-1@lehigh.edu
Subject: [58468] Re: Last FOX hunt of the Millenium
Message-ID: <19991220.183831.-115875.0.wb2vuo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

----- Forwarded message -----

From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Date: Mon, 20 Dec 1999 17:30:21 -0500
Subject: Last FOX hunt of the Millenium

Gang:

Good luck to Steve N0RC and to all us hunters tonight in the last 40
Metre
FOX hunt until the new millenium begins.

-----< snip
>-----

Sorry Doc, but unless there are no Fox hunts in the Year 2000, this is
NOT the last Fox hunt of the Millenium.

The next Millenium starts on 01Jan,2001, the first day of the 21st
Century.

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp
My night light runs more power than my Rig!!!

Why pay more to get Web access?
Try Juno for FREE -- then it's just \$9.95/month if you act NOW!
Get your free software today: <http://dl.www.juno.com/dynoget/tagj>.

Date: Mon, 20 Dec 1999 16:41:33 -0700
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@lehigh.edu, cqclist@cqc.lorg
Subject: [58469] Eham-- "Is life too short for QRP?"
Message-ID: <199912202338.QAA25706@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Evidently not, according to most respondents to E-ham's "speak out" section at
<http://www.eham.net> . Add your 2 cents worth!

The actual surveys (currently "What percent of your operating time is CW?") are
pretty useless-- they get floods of survey takers from the mailing lists, and
the surveys are only there for a short time. But the speak out opinion pages
are pretty neat.

With best wishes for a happy Christmas and prosperous 2000...

Marshall Emm
mgemm@mtechnologies.com
Milestone Technologies, Morse Express
and Oak Hills Research
"Everything for the Morse Enthusiast!"
<http://www.MorseX.com>
(303)752-3382
--

Date: Mon, 20 Dec 1999 16:43:25 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Brad Hernlem <alihernlem@hotmail.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [58470] Re: HB: Variable Crystal Filter?
Message-ID: <Pine.BSI.3.96.991220164031.1929A-1000000@usr08.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Brad,

Boy, that is one impressive filter they have there. They have essentially taken a ladder type crystal filter and made it tunable. I have some French papers from the 1950's that describe the method of designing symmetrical crystal bandpass filters with identical crystals, but I have never tried designing one myself.

Chris

On Mon, 20 Dec 1999, Brad Hernlem wrote:

> I was surfing around and ran across the following schematic
> which contains what appears to be a variable crystal filter
> using AM tuning diodes instead of the usual fixed caps.
> Anyone have any feedback on experience with this sort of
> circuit?
>
> http://www06.u-page.so-net.ne.jp/ga2/semba/std_trx/std_rx_sch2_2.htm
>
> Brad

> -----
> Get Your Private, Free Email at <http://www.hotmail.com>
>

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High Performance Mixers and
Amplifiers for RF Communications

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Mon, 20 Dec 1999 15:50:14 -0800
From: Allan G Taylor <agtaylor@ix.netcom.com>
To: qrp-l@lehigh.edu
Subject: [58471] FS: Sierra
Message-ID: <385EC0B6.5CFD@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Try one more time.

Wilderness Radio Sierra with KC-2 keyer/counter and 3 band modules.
Puts out nearly 5W on 40m. Case not immaculate, but very field worthy.
Modules for 40, 30, and 17m.

\$275 shipped.

Allan K7GT agtaylor@ix.netcom.com

Date: Mon, 20 Dec 1999 18:59:21 EST
From: AlexQRP@aol.com
To: qrp-l@lehigh.edu
Subject: [58472] Before Christmas 1999
Message-ID: <0.2d846ef8.25901cd9@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

To all QRPers::::: I am one of the "lurkers" on the reflector and rarely post, my choice ,as I feel if I can't contribute technically or have something nice to say its best to keep the Opening between my nose and chin shut.

I want to thank all of you out there for all the interesting "threads" and other techie stuff for this past year. If nothing else I enjoy reading the things on the reflector each and every day. Thanks for being out there and May You All Have a Warm and Loving Christmas. Alex K5UNY Dallas Tx qrp1
334

End of QRP-L Digest 1675

